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TI Mortar compositions
IN Kawase, Kimie; Nakayama, Fumio; Toyama, Masao
PA Kikusui Kagaku Kogyo Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 5 pp.
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LA Japanese
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CC 58-3 (Cement, Concrete, and Related Building Materials)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 60251162	A2	19851211	JP 1984-106800	19840525
	JP 02010112	B4	19900306		

AB The mortar compns. are composed of white **cement** (I), white aluminous **cement** (II) (II/I wt. ratio 0.5-5), $\text{CaSO}_4 \cdot 0.5\text{H}_2\text{O}$ (III) (III/I wt. ratio 0.3-2), a polymer dispersion [(polymer component)/(I + II + III) wt. ratio of 0.1-1], painted **sand** (aggregates, **colored sand**), and water. The mortar has improved elasticity, significantly decreased crack formation caused by contraction, and is useful for decorating building walls and floors of trains and ships. Thus, I 25, II 45, and III 30 parts were blended and then mixed with a polyacrylate dispersion [(polymer component)/(I + II + III) wt. ratio of 0.2], SiO_2 sand 200 parts, and water to give a mortar compn. A Zn-plated steel sheet was coated with the compn., cured at 20.degree. at relative humidity 65% to form a hardened coating 4 mm thick having no cracks in the mortar after bending (120.degree. with respect to horizontal) and showing no efflorescence when the coating was contacted with water drops at room temp.

ST white aluminous **cement** mortar compn; hemihydrate gypsum wall mortar; dispersion polyacrylate elasticity mortar; silica **colored sand** decorative mortar; crack formation inhibition polymer mortar

IT Mortar
(contg. polymer dispersions for improved elasticity and cracking